CLAIMS

What is claimed is:

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1. An electromechanical program timer with delay sections capable of actuating at least a contact switch for controlling electrical actuators connected thereto, comprising at least:

driving means for providing a rotational power;

a driving shaft, driven by said driving means, having an eccentric shaft and a driving gear;

a main driven gear, having at least a missing gear portion, rotationally mounted adjacent to said driving shaft for being engaged with said driving gear and driven thereby in a major timing speed;

a cam unit, fixed to said main driven gear, having at least a circular cam track for actuating said contact switch, and a driven ratchet formed with a plurality of ratchet teeth; and

a pushing pawl, having one end pivotally mounted on said eccentric shaft, and a pawl end engaged with ratchet teeth of said driven ratchet;

when said main driven gear being driven to said missing gear portion, said pushing pawl activated by said eccentric shaft pushes said driven ratchet moving in a relatively lower timing speed.

- 20 2. An electromechanical program timer with delay sections according to claim 1 wherein said driving means is a motor.
 - 3. An electromechanical program timer with delay sections according to claim 1 wherein said driving shaft further comprises a driven gear engaged with said driving means.
 - 4. An electromechanical program timer with delay sections according to claim 1

wherein said pushing pawl is pressed by a resilient member for maintaining engagement with said driven ratchet.

5. An electromechanical program timer with delay sections according to claim 1 further comprises an anti-reverse pawl pivotally mounted on said driving shaft and engaging with said driven ratchet for preventing reverse of said main driven gear.

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- 6. An electromechanical program timer with delay sections according to claim 5 wherein said anti-reverse pawl is pressed by a resilient member for maintaining engagement with said driven ratchet.
- 7. An electromechanical program timer with delay sections according to claim 1 wherein each of said circular cam track comprises at least a ramp, peak and valley for activating and turning on and off of an electrical actuator connected thereto.
 - 8. An electromechanical program timer with delay sections according to claim 1 wherein said cam unit is a disk having a plurality of circular cam tracks formed on at least one side of said disk.
- 9. An electromechanical program timer with delay sections according to claim 1 wherein said ratchet teeth are formed with suitable pitch for accommodating said lower timing speed.